

as Exhibit A) and (ii) a computer readable form (diskette) and a paper copy containing the Sequence Listing pursuant to the requirements of 37 C.F.R. §1.821-1.825 (attached as Exhibit B).

Please enter the enclosed documents in the application file.

REMARKS

As stated in the Notice to File Corrected Application Papers received in the above-identified patent application (copy attached as Exhibit C), applicants should submit in compliance with 37 C.F.R. §1.52 a substitute specification containing the proper margins. Such substitute specification is attached as Exhibit A. Applicants note that, compared to the application as filed, this substitute specification contains a number of formal amendments. Thus, a customer number on page 1 has been corrected to the number 29311 in accordance with submission of October 2, 2001. Also, some of the SEQ ID NOS (at pages 56-58 of the substitute specification) have been changed to correct the use of two different SEQ ID NOS for a single sequence. SEQ ID NOS in the substitute specification correspond to the SEQ ID NOS provided in the Sequence Listing (attached as Exhibit B). Three pages showing the differences between the substitute specification and the original specification (generated by CompareRite™) are attached as Exhibit D. In these pages, deletions appear as strikethrough text surrounded by {} and additions appear as bold text surrounded by []. No new subject matter has been added as a result of these amendments.

As further stated in the Notice to File Corrected Application Papers, the present application fails to comply with the sequence disclosure requirements set forth in 37 C.F.R. §1.821

through §1.825. Applicants are therefore requested to provide an initial Sequence Listing both as paper copy and as a computer readable form.

Pursuant to the requirements of 37 C.F.R. §1.821 through §1.825 for Sequence Listings, a computer readable form (diskette) and a paper copy containing the Sequence Listing are enclosed. Applicants note that the sequences contained in the enclosed Sequence Listing are disclosed, for example, at page 48, lines 13-18; page 54, line 7 - page 55, line 7, and page 56, lines 1-4 of the specification as filed.

STATEMENT PURSUANT TO 37 C.F.R. § 1.821

Enclosed herewith is a computer readable form (diskette) and a paper copy containing sequence disclosure as requested by the Office. A copy of the Notice to File Corrected Application Papers is also enclosed. Pursuant to Rule 821, applicants herein state that the contents of the attached paper entitled "SEQUENCE LISTING" and of the accompanying identically labeled diskette, specifically the ASCII-encoded file therein labeled "seqlist.txt", are identical and that the submission contains no new matter.

CONCLUSION

Applicants request entry of the foregoing amendments and remarks in the file history of this application. Applicants respectfully submit that the application is now in compliance with the Application Requirements pursuant to 37 C.F.R. §1.52 and the Sequence Listing Requirements

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pursuant to 37 C.F.R. §1.821 et seq. Substantive examination of the application is respectfully requested and a favorable determination respectfully solicited.

Respectfully submitted,



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